Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 6.1.3
Input Device:	Carousel	Date:	06/16/2017 11:05 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	04/21/2017 12:22 PM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product: CST Setup Beads, Part #: 910723
Lot ID: 25720, Expiration Date: 06/30/2017
Bead Lot Information: Available

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124411	-1	1.56	124332	1.55
Blue	F	SSC	125000	124202	-1	3.07	124676	3.01
Blue	E	FITC	23355	22717	-3	2.44	1014	10.12
Blue	D	PE	28848	28338	-2	1.90	1020	9.66
Blue	B	PerCP-Cy5-5	47791	47328	-1	3.35	1356	16.88
Blue	A	PE-Cy7	41358	41018	-1	5.10	640	35.14
Red	C	APC	51316	50992	-1	2.64	2942	9.21
Red	A	APC-Cy7	53225	52216	-2	2.65	1088	11.01
Violet	B	V450	14473	13972	-4	3.55	672	9.07
Violet	A	V500	59973	58887	-2	3.22	2619	6.37

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	19248	4.46	606	8	N/A	N/A	Pass
Blue	F	SSC	61779	1.51	541	7	N/A	N/A	Pass
Blue	E	FITC	114	39.65	542	-2	0.0217	244	Pass
Blue	D	PE	223	29.12	538	0	0.1678	266	Pass
Blue	B	PerCP-Cy5-5	212	44.48	629	-1	0.0101	82	Pass
Blue	A	PE-Cy7	70	117.49	681	0	0.0120	16	Pass
Red	C	APC	344	26.73	589	-5	0.0214	54	Pass
Red	A	APC-Cy7	120	41.22	568	-8	0.0059	2116	Pass
Violet	B	V450	81	44.33	472	1	0.0435	2081	Pass
Violet	A	V500	189	22.96	503	2	0.0127	196	Pass

Specifications

PMTV Delta from baseline: 50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Spec. (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-31.86	-31.26	0.84
Blue	20.34	16.27 - 24.41	1.26	0.99 - 1.49	0.00	0.00	1.33
Red	18.75	13.27 - 19.91	N/A	N/A	31.17	31.74	1.17

Window Extension: 7.00
FSC Area Scaling Factor: 0.88

Threshold

Threshold (FSC): 9954

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments